

Date: Fri, 31 Dec 93 04:30:05 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1526  
To: Info-Hams

Info-Hams Digest                      Fri, 31 Dec 93                      Volume 93 : Issue 1526

Today's Topics:

                    ARLB122 Holiday schedule  
    Daily Summary of Solar Geophysical Activity for 30 December  
                    HDN Releases  
        Paul Harvey corrects his story about HAMS.  
                Repeater database?  
            Where are our Info-Hams Digests?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 30 Dec 1993 14:23:16 -0700  
From: swrinde!gatech!destroyer!nntp.cs.ubc.ca!alberta!nebulus!ve6mgs!  
usenet@network.ucsd.edu  
Subject: ARLB122 Holiday schedule  
To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB122  
ARLB122 Holiday schedule

ZCZC AG64  
QST de W1AW  
ARRL Bulletin 122    ARLB122

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Date: Thu, 30 Dec 1993 20:22:37 MST  
From: galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!gatech!destroyer!

nntp.cs.ubc.ca!alberta!nebulus!ve6mgs!usenet@network.ucsd.edu  
 Subject: Daily Summary of Solar Geophysical Activity for 30 December  
 To: info-hams@ucsd.edu

## DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

30 DECEMBER, 1993

(Based In-Part On SESC Observational Data)

# SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 30 DECEMBER, 1993

NOTE: Intense stratospheric warming is continuing from central Siberia to Alaska and the adjacent Arctic. Warming is spreading north and northeastwards.

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 364, 12/30/93
10.7 FLUX=142.8  90-AVG=100          SSN=110          BKI=0022 1000  BAI=002
BGND-XRAY=B7.9    FLU1=7.0E+05  FLU10=1.2E+04  PKI=1022 2110  PAI=004
    BOU-DEV=004,004,010,019,008,004,004,002  DEV-AVG=006 NT    SWF=01:014
    XRAY-MAX= M1.6    @ 0555UT    XRAY-MIN= B5.7    @ 0529UT    XRAY-AVG= C1.7
NEUTN-MAX= +002%    @ 1935UT    NEUTN-MIN= -002%    @ 1415UT    NEUTN-AVG= +0.1%
    PCA-MAX= +0.1DB @ 0945UT    PCA-MIN= -0.4DB @ 1110UT    PCA-AVG= -0.0DB
BOUTF-MAX=55352NT @ 2331UT    BOUTF-MIN=55329NT @ 1829UT    BOUTF-AVG=55345NT
GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT    G7-AVG=+070,+000,+000
GOES6-MAX=P:+120NT@ 1957UT    GOES6-MIN=N:-060NT@ 0823UT    G6-AVG=+092,+023,-027
    FLUXFCST=STD:140,140,130;SESC:140,140,130  BAI/PAI-FCST=025,015,010/035,020,015
    KFCST=3334 5333 2222 3000  27DAY-AP=037,008  27DAY-KP=6565 4332 2222 2232
    WARNINGS=*SWF;*MAJFLR
    ALERTS=**MINFLR:M1.6/1N@0555,N10E70(7645)
!!END-DATA!!

```

NOTE: The Effective Sunspot Number for 29 DEC 93 was 56.0.  
The Full Kp Indices for 29 DEC 93 are: 1- 1o 1- 0+ 1o 1- 1o 1o

## SYNOPSIS OF ACTIVITY

Solar activity was moderate because of a single, uncorrelated M1 xray burst at 30/0555UT. Region 7640 (N08W66) continued to grow but produced only a single C5/1N flare at at

30/1616UT. Region 7645 (N11E54) showed rapid growth this period and produced five C-class flares, including a C7/SN flare at 30/1713UT. Region 7646 (S10E54) showed good development as well but was generally flare quiet.

STD: The M-class flare was correlated with Region 7645, which is a respectably large region with some magnetic complexity, having a delta magnetic configuration. Strong Ca XV emissions were observed on the northwest limb near N15 today.

Solar activity forecast: solar activity is expected to be low to moderate. Regions 7640, 7645 and 7646 all have a good potential for C-class flaring. Regions 7640 and 7645 have the best chance of occasional M-class activity and an outside chance of isolated X-class flaring.

The geomagnetic field has been at quiet levels for the past 24 hours.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to active over the next 24 hours then mostly unsettled. A well positioned coronal hole has so far failed to produce an anticipated magnetic disturbance.

#### Event probabilities 31 dec-02 jan

Class M	65/65/65
Class X	05/05/05
Proton	05/05/05
PCAF	Green

#### Geomagnetic activity probabilities 31 dec-02 jan

A. Middle Latitudes	
Active	25/20/20
Minor Storm	25/10/10
Major-Severe Storm	05/05/01
B. High Latitudes	
Active	25/25/20
Minor Storm	25/20/10
Major-Severe Storm	10/10/01

HF propagation conditions have been normal over all regions. Failure of the anticipated coronal-hole disturbance to thus far materialize has resulted in continued good propagation conditions for all but the high and polar

latitudes, where fair propagation dominated. If the disturbance arrives over the next 24 hours, poor to occasionally very poor propagation conditions should be observed over the high latitude paths, although the magnitude of the disturbance may not be as strong as was previously expected, particularly for the middle and low latitude regions. If the disturbance fails to arrive, good propagation conditions should persist. There remains a moderately strong risk for SWF activity over sunlit paths. Higher D-region absorption may also be observed over the upper middle and high latitude paths of the northern hemisphere.

# COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

## REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 30/2400Z DECEMBER

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7640	N08W66	206	0850	FKI	19	022	BETA-GAMMA-DELTA	
7641	N05W61	201	0090	HSX	02	001	ALPHA	
7644	N10W55	195	0100	DSO	05	011	BETA	
7645	N11E54	086	0600	EK0	14	016	BETA-DELTA	
7646	S10E54	086	0290	DAO	10	010	BETA	
7643	S18W10	150					PLAGE	

## REGIONS DUE TO RETURN 31 DECEMBER TO 02 JANUARY

NMBR LAT LO  
NONE

## LISTING OF SOLAR ENERGETIC EVENTS FOR 30 DECEMBER, 1993

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
0540	0555	0606	7645	N10E70	M1.6	1N			
0914	0919	0928			C7.1			440	
0959	0959	1000						160	
1005	1006	1006						210	
1159	1202	1205			C1.4			180	
1207	1207	1209						500	
1251	1255	1257	7644	N09W51	C1.2	SF		520	
1451	1451	1451						700	
1638	1638	1638						100	

## POSSIBLE CORONAL MASS EJECTION EVENTS FOR 30 DECEMBER, 1993

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
-------	-----	-----	----------	------	------	-----	----	----

NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 30/2400Z

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ISOLATED HOLES AND POLAR EXTENSIONS

	EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
55	S03W31	S12W43	N23W53	N25W45	188	ISO	POS	015	10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

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Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
-----	-----	-----	-----	-----	---	-----	-----	-----	-----	-----
29 Dec:	0143	0146	A0154		SF	7640	S10E84			
	0215	0220	0226	C1.9	SF	7640	N10W36			
	0239	0247	0249	C1.4	SF	7640	N07W41			
	0257	0300	0303		SF	7646	S09E80			
	0544	0549	0556	C1.2					55	
	0632	0636	0641	C1.1	SF	7640	N07W42			
	0701	0707	0717	C1.0						
	0743	0749	0754	C1.6	SF	7646	S13E75			
	0940	0942	0949		SF	7646	S09E76			
	1245	1252	1310		SF	7646	S11E76			
	1439	1444	1447		SF	7646	S11E77			
	1528	1549	1609	C9.9	SF	7640	N12W43	22	28	27
	1746	1755	1800	C1.5	SF	7640	N14W45	38		
	2016	2032	2041	C1.1						
	2213	2215	2219		SF	7640	N14W52			
	2253	2302	2319	C3.7	SF	7645	N11E67			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

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	C	M	X	S	1	2	3	4	Total	(%)
	--	--	--	--	--	--	--	--	---	-----
Region 7640:	5	0	0	7	0	0	0	0	007	(43.8)
Region 7645:	1	0	0	1	0	0	0	0	001	( 6.2)
Region 7646:	1	0	0	5	0	0	0	0	005	(31.2)
Uncorrelated:	3	0	0	0	0	0	0	0	003	(18.8)

Total Events: 016 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
29 Dec:	0743	0749	0754	C1.6	SF	7646	S13E75	III

#### NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

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Date: Wed, 29 Dec 1993 18:33:04  
From: swrinde!cs.utexas.edu!news.unt.edu!news.oc.com!utacfd.uta.edu!rwsys!ocitor!  
FredGate@network.ucsd.edu  
Subject: HDN Releases  
To: info-hams@ucsd.edu

The following files were processed Wednesday 12-29-93:

HAMPACK [ HAM: Packet Communications programs ]

-----  
APRS307B.ZIP ( 612347 bytes) Automatic Packet Reporting Syatem

-----  
612347 bytes in 1 file(s)

Total of 612347 bytes in 1 file(s)

Files are available via Anonymous-FTP from ftp.fidonet.org  
IP NET address 140.98.2.1

Directories are:

pub/fidonet/ham/hamnews	(Bulletins)
/hamant	(Antennas)
/hamsat	(Sat. prg/Amsat Bulletins)
/hampack	(Packet)
/hamelec	(Formulas)
/hamtrain	(Training Material)
/hamlog	(Logging Programs)
/hamcomm	(APLink/JvFax/Rtty/etc)
/hammods	(Equip modification)
/hamswl	(SWBC Skeds/Frequencies)
/hamscan	(Scanner Frequencies)
/hamutil	(Operating aids/utils)
/hamsrc	(Source code to programs)
/hamdemo	(Demos of new ham software)
/hamnos	(TCP/IP and NOS related software)

Files may be downloaded via land-line at (214) 226-1181 or (214) 226-1182.  
1.2 to 16.8K, 23 hours a day .

When ask for Full Name, enter:     Guest;guest     <return>

lee - wa5eha  
Ham Distribution Net

\* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

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Date: Fri, 31 Dec 1993 02:22:07 GMT  
From: sytex!rjkeller@uunet.uu.net  
Subject: Paul Harvey corrects his story about HAMS.  
To: info-hams@ucsd.edu

tweek@netcom.com (Michael D. Maxfield) writes:

>  
> email respondent to me suggested.) Now the question... why did reuters  
> just NOW pick up on this story... I read about it last month in Monitoring  
> Times... and they have a three month lead time.

Maybe it was on Reuters in timely fashion but Paul Harvey only just  
now got around to using the piece ??? Just a thought.

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Robert J. Keller (KY3R)		Tel +1 301.229.5208
rjk@telcomlaw.win.net		Fax +1 301.229.6875
rjkeller@sytex.com		CIS 76100.3333

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Date: Thu, 30 Dec 93 20:01:08 PST  
From: usc!math.ohio-state.edu!cyber2.cyberstore.ca!nntp.cs.ubc.ca!mala.bc.ca!oneb!ham!emd@network.ucsd.edu  
Subject: Repeater database?  
To: info-hams@ucsd.edu

gcouger@olesun.okstate.edu (Gordon Cougar) writes:

> Do we really need the data from the coordinaters? If each of us would send in  
> the repeaters in his own area in a standard format using grid squares for  
> location should be close enough for this project, it would make a data base  
> in short order. We could also include other frequaencies of interest and it  
> would be a pretty neat deal. Just submit a list of grid square you intend to  
> pass through and it will give you back a list of frequencies in the order  
> of the grid squares you sent.  
>

Getting the data from the coordinators usually ensures that a: the list is reasonably up-to-date, (not always, as repeater operators often don't tell their coordinators all kinds of things) and b: people don't assume that because they don't hear anything from their location that the frequency is unoccupied - whether by a link, control system, whatever for which the pl tones are unpublished, etc.

Robert Smits	There is *no* idiotproof filter.
VE7EMD	Idiots are proof against anything!
Ladysmith B.C.	- Richard Chycoski, VE7CVS
e-mail: emd@ham.almanac.bc.ca	

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Date: 31 Dec 93 06:25:41 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Where are our Info-Hams Digests?  
To: info-hams@ucsd.edu

Please, somebody check and find our missing digests. We have not received any since 5 Nov. We have sent numerous messages to Errors@ucsd.edu with no response, and messages to Info-Hams relay with no

response. Help!!!  
Bob Bissett ND2L  
selfm-ptm-mars@monmouth-emh3.army.mil

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Date: (null)  
From: (null)  
SB QST ARL ARLB122  
ARLB122 Holiday schedule

ARRL Headquarters and W1AW will be closed on Friday, December 31.  
W1AW will be open Saturday, January 1, at 1pm EST, with regularly  
scheduled transmissions commencing with code practice at 2100z.  
NNNN  
/EX

-----  
Date: 30 Dec 1993 21:50 PST  
From: library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!erich.triumf.ca!  
bennett@network.ucsd.edu  
To: info-hams@ucsd.edu

References <joe.1107669716A@ra.nrl.navy.mil>, <CIv8HH.Izw@news.iastate.edu>,  
<2fvpke\$e5l@cascade.ens.tek.com>  
Subject : Re: CW WAIVERS

In article <2fvpke\$e5l@cascade.ens.tek.com>, t1terryb@cascade.ens.tek.com (Terry  
Burge) writes...

>Hi fellow amateurs and wannabees,  
> Having followed this discussion concerning morse code for a while I  
>feel it is time to give my two cents worth.  
> The Communication Act of 1934 is what all amateur as well as commercial  
>radio is based off of throughout the world. It is an international treaty. In

Are you \_sure\_ "The Communication Act of 1934" is an international treaty???

I expect it is an act of the US Congress, since I think I have seen references  
to the ECPA (? - don't listen to cellphones act - a strictly US law) modifying  
parts of it.

Peter Bennett VE7CEI	Vessels shall be deemed to be in sight
Internet: bennett@erich.triumf.ca	of one another only when one can be
Bitnet: bennett@triumfer	observed visually from the other
TRIUMF, Vancouver, B.C., Canada	ColRegs 3(k)

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End of Info-Hams Digest V93 #1526

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